

# D1UBA80

**PRV : 800 Volts**  
**Io : 1.0 Ampere**

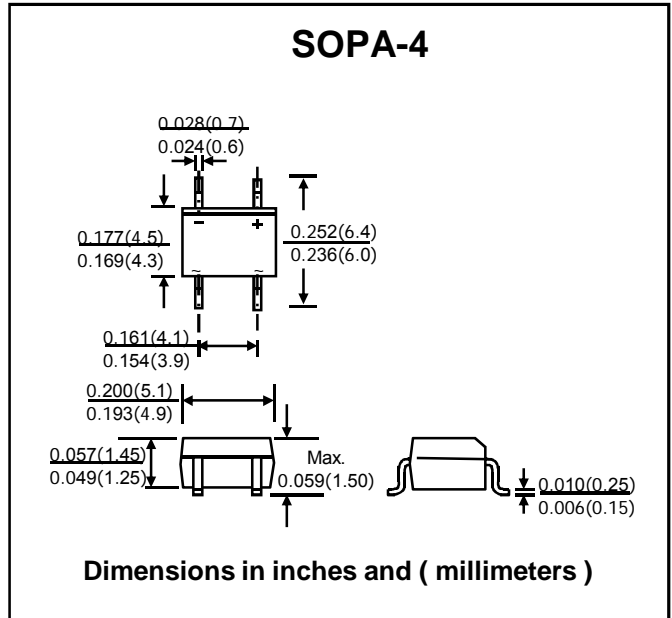
**FEATURES :**

- \* Glass passivated chip junctions.
- \* High surge overload rating : 30A peak
- \* Saves space on printed circuit boards.
- \* High temperature soldering guaranteed : 260 °C/10 seconds.
- \* **Pb / RoHS Free**

**MECHANICAL DATA :**

- \* Case : Molded plastic
- \* Epoxy : UL94V-0 rate flame retardant
- \* Terminals : Plated Lead solderable per MIL-STD-750, Method 2026
- \* Polarity : Polarity symbols marked on body
- \* Mounting position : Any
- \* Weight : 0.22 gram
- \* Marking : D1UBA80

## MINI-BRIDGE RECTIFIER



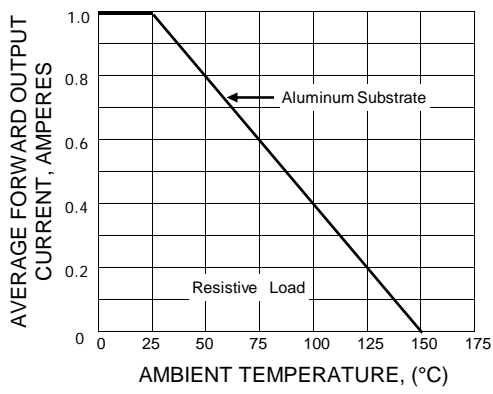
## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

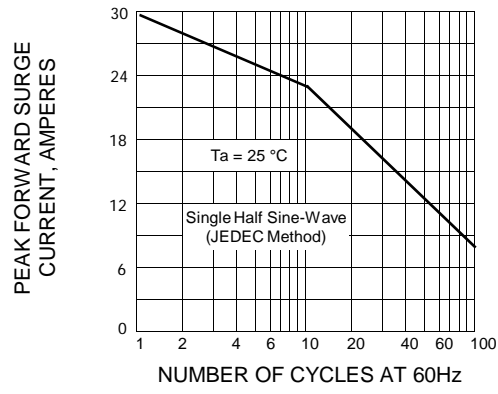
RATING	SYMBOL	VALUE	UNIT
Maximum Reverse Voltage	VRRM	800	V
Maximum Average Forward Current ( 60Hz sine wave,R-load )	IF(AV)	1.0 ( On alumina substrate )	A
Maximum Peak Forward Surge Current	IFSM	30	A
Rating for fusing (1ms ≤ t < 10 ms, Tj = 25°C)	I <sup>2</sup> t	3.0	A <sup>2</sup> S
Maximum Instantaneous Forward Voltage per element at IF = 0.4 A	VF	0.95	V
Maximum Reverse Current ( VR =VRRm )	IR	10	μA
Typical Thermal Resistance	RθJA	80.0	°C/W
Storage Temperature Range	TSTG	- 55 to + 150	°C
Junction Temperature Range	TJ	- 55 to + 150	°C

**RATING AND CHARACTERISTIC CURVES ( D1UBA80 )**

**FIG.1 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT**



**FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER BRIDGE ELEMENT**



**FIG.3 - TYPICAL FORWARD CHARACTERISTICS**

